

# Contribution to the flora of Tirap Frontier Division

BY

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[Continued from Vol. 68 (3) : 595]

## STYRACACEAE

### ***Styrax serrulatum* Roxb.**

Shrub or small tree with whitish or mauve-coloured flowers and fruits covered with brownish green tomentum ; fairly common. Pungchow, July 1961, *Deb* 26568 ; Chenglang, March 1958, *Murthy* 12986 ; Lailongsong, 510 m., June 1961, *Deb* 25797.

## CORNACEAE

### ***Aucuba himalaica* Hook. f. et Thoms.**

A medium-sized tree in flowers and fruits ; scattered in the sub-tropical forest. Chennhang, June 1961, *Deb* 26238 ; Noglo, June 1961, *Deb* 26339.

### ***Cornus alternifolia* L. f.**

A small tree in fruits ; scarce. Noglo, June 1961, *Deb* 26350.

## ALANGIACEAE

### ***Alangium barbatum* (R. Br.) Bail. ex Kuntze**

Shrub or a small tree ; flowers white ; fruits bluish when ripe ; scarce. Noglo, June 1961, *Deb* 26348 ; Banfera, July 1961, *Deb* 26738.

### ***A. chinense* (Lour.) Harms.**

Bushy shrub with white flowers ; fairly abundant and common. Chenglang, Aug. 1958, *Panigrahi* 14425 ; Khonsa, June 1961, *Deb* 25858 ; Chennhang, June 1961, *Deb* 26182 ; Lailongsong, 510 m., June 1961, *Deb* 25793.

NYSSACEAE

**Nyssa javanica** (Bl.) Wang.

A large tree in flowers and fruits ; scattered. Jadua, July 1961, *Deb* 26683.

ARALIACEAE

**Aralia armata** (Wall. ex G. Don) Seem.

Shrub or small tree with whitish flowers ; scattered. Pangsupass, Oct. 1959, *Rao* 20021.

**A. thomsonii** Seem.

Shrub or small tree in flowers and fruits ; scattered. Lailongsong, 510 m., June 1961, *Deb* 25840 ; Wakka-Ngminu, July 1961, *Deb* 26531.

**Brassaiopsis glomerulata** (Bl.) Regel

Shrub or small tree in flowers and fruits ; scarce. Noglo, June 1961, *Deb* 26342 ; Wakka, July 1961, *Deb* 26432.

**B. glomerulata** (Bl.) Regel var. **serrata** Mahesw.

Small tree ; rare. Wakka, July 1961, *Deb* 26412.

**B. hainla** (Ham. ex D. Don) Seem.

A small prickly tree in flowers and fruits ; common. Chennhang, June 1961, *Deb* 26222 ; Langsang forest, June 1961, *Deb* 26118.

**Merrillioanax listeri** (King) Li.

Shrub with small white flowers ; rare. Noglo, June 1961, *Deb* 26329 & 26345.

**Panax pseudo-ginseng** Wall.

An undershrub in humid situations. In flowers and fruits ; fairly common. This is very variable in habit. Wakka, July 1961, *Deb* 26395 ; Chegum, July 1961, *Deb* 26479.

**Schefflera venulosa** (Wt. & Arn.) Harms.

An epiphytic scandent shrub or a climber ; flowering ; fairly common. Langsang, June 1961, *Deb* 26117 ; Chegum, July 1961, *Deb* 26484 ; Chennhang, June 1961, *Deb* 26273 ; Wakka, July 1961, *Deb* 26440 ; Khonsa, June 1961, *Deb* 25946,

## CAPRIFOLIACEAE

**Carlemannia griffithii** Benth.

Herb; flowers small, white or pinkish; fairly common. Pungchow, July 1961, *Deb* 26580; Pangsupass, Oct. 1959, *Rao* 20067.

**Lonicera braciana** Hemsl.

A climber with showy yellow flowers; rare. It is worthy of consideration for introduction as an ornamental plant. Wakka, July 1961, *Deb* 26392.

**L. macrantha** (D. Don) Spreng.

A climber with white and yellow flowers on the same branch; rare. Chennhang, June 1961, *Deb* 26277.

**Sambucus hookeri** Rehder.

Shrub or small tree, flowers white; fairly common. Kothong, June 1961, *Deb* 26078; Jangkeng village, June 1961, *Deb* 25871.

**Silvianthus bracteatus** Hook. f.

Undershrub with weak stem in fruit; scarce. Pangsupass, Oct. 1959, *Rao* 20006; Lailongsong, 510 m., June 1961, *Deb* 25814; Pungchow, July 1961, *Deb* 26624.

**Viburnum colebrookianum** Wall.

A shrub or small tree with white flowers; common. Chenglang, March 1958, *Murthy* 12906; Tipang, June 1961, *Deb* 25713.

**V. coriaceum** Bl.

A shrub or small tree with bluish to white flowers; fairly common. Chennhang, June 1961, *Deb* 26243.

**V. odoratissimum** Ker

A shrub or a small tree in flowers; rare. Noglo, June 1961, *Deb* 26341; Khonsa, June 1961, *Deb* 25968.

**V. simonsii** Hook. f. & Thoms.

A bushy shrub or small tree in flower; scarce. Noglo, June 1961, *Deb* 26340 & 26350; Wakka, July 1961, *Deb* 26486.

**V. mullaha** Ham. var. **glabrescens** C. B. Clarke

A climber, scarce. Wakka, July 1961, *Deb* 26493.

BUXACEAE

**Sarcococca saligna** (D. Don) Muell.-Arg.

A shrub growing in a community ; scarce. Chennhang, June 1961, *Deb* 26236.

BETULACEAE

**Alnus nepalensis** D. Don

A large tree. Natural regeneration is common, Laju hills, Aug. 1958, *Panigrahi* 14666 ; Kothong, June 1961, *Deb* 26031.

**Betula alnoides** Buch.-Ham. ex D. Don

A medium-sized tree ; scarce. Bark is used by the local people as a substitute for paper. Khela, June 1961, *Deb* 25938.

FAGACEAE

**Castanopsis griffithii** King

A medium sized tree ; rare. Oct. 1959, *Rao*, s.n.

**C. indica** (Roxb.) A. DC.

A medium-sized tree in creamy white flowers ; scarce. Soha village, 1067 m., Oct. 1959, *Rao* 20375.

**C. tribuloides** A. DC.

A medium-sized tree ; scarce. Tinchha, Aug. 1958, *Panigrahi* 14657.

**Lithocarpus dealbata** (Hook.f. & Th. ex A. DC.) Rehder

*Pasania dealbata* (Hook.f. & Th.) Oerst.

A small tree ; scarce. Niauxa-Wanu, Sept. 1958, *Panigrahi* 15002.

**L. fenestrata** (Roxb.) Rehder.

*Pasania fenestratus* (Sm.) Oerst.

A large tree ; common. Chennhang, June 1961, *Deb* 26233.

**L. spicata** (Sm.) Rehder. & E. H. Wils.

*Pasania spicata* (Smith) Chatterjee

A small tree in flower ; rare. Lailongsong, 510 m., June 1961, *Deb* 25773.

**Quercus lanceaefolia** Roxb.

A large tree ; fairly common ; one of the dominant trees in the forest ; Lunwa, July 1961, *Deb* 26638.



## CORYLACEAE

**Carpinus viminea** Wall. ex Lindl.

A medium-sized tree in flower ; common in places. Pangchow, July 1961, *Deb* 26609.

## ULMACEAE

**Celtis cinnamomea** Lindl.

A small tree, in fruit. Khonsa, June 1961, *Deb* 25966.

**Trema orientalis** (L.) Bl.

A tree ; fairly common. Khonsa-Laju, June 1961, *Deb* 25996.

## MORACEAE

**Artocarpus lakoocha** Roxb.

A very small tree about 30-40 m. in height ; scarce. Namchik, 152 m., Oct. 1959, *Rao* 20190.

**Ficus auriculata** Lour.

A shrub or a tree in fruits ; sometimes epiphytic ; common. Khela, March 1958, *Murthy* 12973 ; Wakka, Aug. 1958, *Panigrahi* 14814 ; Laju-Raho, Aug. 1958, *Panigrahi* 14763 ; Chenglang, Oct. 1959, *Rao* 20225 ; Kothong, June 1961, *Deb* 26040.

**F. bengalensis** Linn.

A large tree in fruit. Jadua-Banfera, July 1961, *Deb* 26664.

**F. subincisa** J. E. Smith

*F. clavata* Wall. ex Miq.

A small tree in fruit ; fairly common. Longseck hillock, June 1961, *Deb* 25727 ; Jadua, July 1961, *Deb* 26675 ; Chennhang, June 1961, *Deb* 26210.

**F. cyrtophylla** Wall. ex Miq.

A shrub or a small tree ; fruits red or brown when ripe ; fairly common. July 1961, *Deb* 26279 ; Lailongsong, 510 m, June 1961, *Deb* 255776 ; Jadua, July 1961, *Deb* 26657 ; Kothong, June 1961, *Deb* 26041.

**F. fistulosa** Reinw.

A shrub in fruit ; fairly common. Chenglang, March 1958, *Murthy* 12916.

**F. pubigera** Wall. ex Miq. var. **malliformis** (King) Corner

A shrub or a small tree. Hypanthium greenish or brownish yellow, lenticular ; fairly common. Namchick, Oct. 1958, *Rao* 20177.

**F. fulva** Reinw. ex Bl.

A small tree with yellowish green fruits, fairly common. Margharita-Jairampur, Oct. 1959, *Rao* 19922.

**F. hispida** Linn. f.

A small tree with pinkish synconium, common. Margharita-Jairampur, Oct. 1959, *Rao* 19938 & 19947 ; Namsang-Soha, Oct. 1959, *Rao* 20331 ; Chenglang, 549 m, March 1958, *Murthy* 12905 ; Lailongsong, 510 m, June 1961, *Deb* 25777.

**F. hirta** Vahl

A shrub or a small tree with chocolate brown hypanthium ; common. Banfera, July 1961, *Deb* 26727 ; Khela, March 1958, *Murthy* 12955 ; Tipang, July 1961, *Deb* 25715 ; Namchick-Chenglang, Oct. 1959, *Rao* 20216.

**F. longkdcensis** Drake

Small tree ; fairly common. Deomali, June 1961, *Deb* 25897.

**F. neriifolia** J. E. Sm. var. **nemoralis** (Wall. ex Miq.) Corner

Large tree with paired synconium at axil ; common. Chennhang, June 1961, *Deb* 26235 ; Langsong forest, June 1961, *Deb* 26146.

**F. pomifera** Wall. ex Miq.

Tree with tan coloured synconium ; common in places. Chennhang, June 1961, *Deb* 26180.

**F. prostrata** Wall. ex Miq.

Shrub about 6 m in height with brick red hypanthium, Nagnu-Niausa, Aug. 1958, *Panigrahi* 14878.

**F. semicordata** Buch.-Ham. ex J. E. Smith

*F. cunea* Buch.-Ham. ex Roxb.

Small tree, in fruit ; common. Lailongsong, 510 m, June 1961, *Deb* 25778 ; Laju, June 1961, *Deb* 25992.

**F. subulata** Bl.

Small tree ; common. Pungchow, July 1961, *Deb* 16592 ; Banfera, July 1961, *Deb* 26742.

## URTICACEAE

**Boehmeria assamica** C. B. Clarke

Shrub ; fairly common. Chegum, July 1961, *Deb* 26490.

**B. macrophylla** D. Don

Tall shrub up to 7 m in height with pendulous inflorescence ; common. Nampong-Pangsupass, Oct. 1959, *Rao* 20005 & 20158 ; Tinchha, Aug. 1958, *Murthy* 12995.

**B. malabarica** Wedd.

Shrub about 10 m in height, with creamy flowers ; scarce. Pangsupass, Oct. 1959, *Rao* 20007.

**B. platyphylla** D. Don

Shrub ; flowers greenish brown or reddish ; common. Chennhang, June 1961, *Deb* 26177 ; Deomali, Oct. 1959, *Rao* 20318.

**B. platyphylla** D. Don var. *zeylanica* Wedd.

Shrub ; rare. Khonsa-Laju, June 1961, *Deb* 25976.

**B. sidaefolia** Wedd.

An undershrub with pale yellow flowers ; common. Jairampur, Oct. 1959, *Rao* 19994 ; Khonsa, June 1961, *Deb* 25994.

**B. tirapensis** Deb et Dutta

Shrub or small tree with monoecious flowers. Kothong, June 1961, *Deb* 26081. Described as a new species by the authors in *Bull. Bot. Surv. India* 90 (11) : 782, 1964.

**Chamabainia cuspidata** Wt.

A gregarious herb ; common along the Burma border. Noglo, June 1961, *Deb* 26334.

**Debregeasia longifolia** (Burm.) Wedd.

A tall spreading shrub ; fruits brick-red or orange-yellow in colour ; fairly common. Soha village, 1067 m, Oct. 1959, *Rao* 20354 ; Pangsupass, March 1958, *Murthy* 12996 ; Wakka, July 1961, *Deb* 26494.

**Elatostema surculosum** Wight

A lithophytic herb ; fairly common. Khonsa ; June 1961, *Deb* 25963 ; Wakka, July 1961, *Deb* 26438 ; Chennhang, June 1961, *Deb* 26214 & 26254 ; Chenglang, 510 m, June 1961, *Deb* 25812.

**E. dissectum** Wedd.

A succulent herb ; scarce. Chenglang, 510 m, June 1961, *Deb* 25820.

**E. lineolatum** Wight

A herb of moist places ; common. Jangkeng village, June 1961, *Deb* 25869.

**E. platyphyllum** Wedd.

A herb of moist places ; common. Jangkeng village, June 1961, *Deb* 25868.

**E. sessile** Forst.

Herb ; rare. Chennhang, June 1961, *Deb* 26227.

**Gironniera lucida** Kurz

Tree in fruit ; rare. Chenglang, 510 m, June 1961, *Deb* 25800.

**Laportea crenulata** Gaud.

Shrub, about 5-10 m in height ; flowers greenish ; scarce. Pangsupass, Oct. 1959, *Rao* 20008.

**Pilea bracteosa** Wedd.

An undershrub in flower ; common. Chennhang, June 1961, *Deb* 26265 ; Khonsa, June 1961, *Deb* 25951 & 25977 ; Wakka, July 1961, *Deb* 26429.

**P. scripta** (Harm.) Wedd.

An undershrub with white flowers ; common. Chennhang, June 1961, *Deb* 26211, Kothong, June 1961, *Deb* 26175.

**P. smilacifolia** Wedd.

A succulent herb with small creamy white flowers ; rare. Pangsupass, Oct. 1959, *Rao* 20017.

**Pouzolzia bennettiana** Wt.

A semi-prostrate herb with greenish white to creamy white flowers ; scarce. Khela, March 1958, *Murthy* 12983, Laju, Aug. 1958, *Panigrahi* 14728 ; Khonsa, Aug. 1958, *Panigrahi* 14512 ; Pangsupass, Oct. 1959, *Rao* 20072 ; Kothong, June 1961, *Deb* 26026 & 26076 ; Tipang, June 1961, *Deb* 25708.

**P. hispida** Bennet

A prostrate herb in flowers and fruits ; common. Khonsa, June 1961, *Deb* 25921.

**P. viminea** Wedd.

A shrub with small white flowers ; fairly common. Jairampur, Oct. 1959, *Rao* 19929 ; Bimalpur, Sept. 1958, *Panigrahi* 17007 ; Wakka, July

1961, *Deb* 26465 ; Khonsa, June 1961, *Deb* 25994 & 26006 ; Longseck hillock, 1500 m, June 1961, *Deb* 25741.

***P. viminea* Wedd. var. *fulgens* Wedd.**

A shrub with minute flowers ; scarce. Kothong, June 1961, *Deb* 26022.

***Procris wightiana* Wall. ex Wedd.**

An epiphytic herb with greenish white flowers ; rare. Wanu, Sept. 1958, *Panigrahi* 15053 ; Laju, June 1961, *Deb* 25958 ; Deomali, Oct. 1959, *Rao* 20322 ; Jadua, July 1961, *Deb* 26658.

***Sarcochlamys pulcherrima* Gaud.**

A tall shrub. Pangsupass, March 1958, *Murthy* 12997 ; Jangkeng village, June 1961, *Deb* 25867.

***Villebrunea integrifolia* Gaud.**

A tall shrub with pale creamy yellowish white flowers. Fruits juicy white with a blackish tip. Khela, March 1968, *Murthy* 12976.

FLACOURTIACEAE

***Casearia kurzii* C. B. Clarke**

A big tree in flowers and fruits. This is one of the most dominant trees of Noglo forest. Noglo, June 1961, *Deb* 26307.

***C. vareca* Roxb.**

Medium sized tree, in fruit ; common. Jairampur, Oct. 1959, *Rao* 19954 ; Lailongsong, 510 m, June 1961, *Deb* 25796 ; Noglo, June 1961, *Deb* 26307.

***Gynocardia odorata* R. Br.**

Medium sized tree in flowers and fruits ; common in places. Locally used as fish poison ; Jadua, July 1961, *Deb* 26660 ; Wakka, July 1961, *Deb* 26532.

PROTEACEAE

***Helicia robusta* Wall.**

Scandent shrub ; rare. Raho, July 1961, *Deb* 26386.

PITTOSPORACEAE

***Pittosporum podocarpum* Gagnep.**

Small tree ; fruits with the smell of mango ; common in places. Chennhang, June 1961, *Deb* 26234.

CAPPARIDACEAE

**Capparis multiflora** Hook. f. & Thoms.

Large woody climber ; scarce. Changlang, June 1961, *Deb* 26150.

**Stixis suaveolens** (Roxb.) Baill.

*Roydsia suaveolens* Roxb.

Scandent shrub with white fruits ; fairly common. Namchik-Chenglang, Oct. 1959, *Rao* 20217 ; Banfera, July 1961, *Deb* 26702.

VIOLACEAE

**Viola diffusa** Ging.

Herb, in flowers and fruits ; scarce. Lunwa, July 1961, *Deb* 26637.

**V. arenata** Bl.

Herb in flowers and fruits. Wakka, July 1961, *Deb* 27402.

**V. patrinii** DC.

Herb in flowers and fruits. Chennhang, June 1961, *Deb* 26193 ; Wakka, July 1961, *Deb* 26403.

POLYGALACEAE

**Polygala arillata** Buch.-Ham. ex D. Don

Shrub with yellow flowers ; common. Wakka, July 1961, *Deb* 26487.

**Salomonina cantoniensis** Lour.

Herb, in moist places with white purple or pink flowers ; common. Lailongsong, 510 m, June 1961, *Deb* 25841.

PASSIFLORACEAE

**Adenia cardiophylla** (Mast.) Engl.

A tendril climber with yellow flowers ; scarce. Banfera, July 1961, *Deb* 26745, Khonsa, June 1961, *Deb* 25978.

**A. trilobata** (Roxb.) Engl.

A tendril climber with pale yellow or white flowers ; scarce. Jadua-Banfera, July 1961, *Deb* 26684 ; Deomali, June 1961, *Deb* 25901 ; Lunwa, July 1961, *Deb* 26642.

**Passiflora assamica** Chakravarty

A tendril climber with globose berry ; fairly common. Kothong, June 1961, *Deb* 26038.



## CUCURBITACEAE

**Benincasa hispida** (Thunb.) Cogn.

A tendril climber with yellow flower and edible fruits ; cultivated. Jairampur, Oct. 1959, *Rao* 19957.

**Gomphogyne macrocarpa** Cogn. emend Deb et Dutta in *Bull. Bot. Soc. Beng.* 19 (1) : 37, 1965.

A tendril climber ; rare. Langsang forest (Kothong), June 1961, *Deb* 26151. The description of the species has been amended in the reference cited above and it has been recorded therein for the first time outside the type locality.

**Gymnostemma pentaphylla** (Thunb.) Molina

A tendril climber with unisexual yellow flowers ; rare. Sept. 1958, *Panigrahi* 16982 ; Jangkeng village, June 1961, *Deb* 25856 ; Khonsa-Laju, June 1961, *Deb* 25947.

**Lagenaria siceraria** (Molina) Stanley

A tendril climber, monoecious, cultivated, scarce. Jairampur, Oct. 1959, *Rao* 19968.

**Luffa cylindrica** (Linn.) Roem.

A tendril climber with yellow flowers ; scarce. Chennhang, June 1961, *Deb* 26220.

**Melothria heterophylla** (Lour.) Cogn.

*Solena heterophylla* Lour.

A tendril climber with heterophyllous leaves ; flowers white ; fairly common. Chennhang, June 1961, *Deb* 26215 ; Nampong-Pangsupass, Oct. 1959, *Rao* 20016 & 20047 ; Khonsa-Laju, June 1961, *Deb* 25987 ; Kothong, June 1961, *Deb* 26052.

**M. perpusilla** (Bl.) Cogn.

*Zehneria maysorensis* (Wt. & Arn.) Arn.

A tendril climber with yellow flowers ; scarce. Wakka, July 1961, *Deb* 26418.

**M. leucocarpa** (Bl.) Cogn.

A tendril climber with small creamy white flowers ; scarce. Nampong-Pangsupass, Oct. 1959, *Rao* 20013.

**Thladiantha calcarata** (Wall.) C. B. Clarke

A tendril climber with yellow flowers ; scarce. Chenglang-Khela, Oct. 1959, *Rao* 20278 ; Chennhang, June 1961, *Deb* 25857 & 26221 ;



Kothang, June 1961, *Deb* 26064 & 26075 ; Longseck hillock, June 1961, *Deb* 25745.

**T. hookeri** C. B. Clarke ex Chakravarty var. **palmatifolia** Chakravarty, forma—**trifoliata** (Cogn.) Chakravarty

A tendril climber with yellow flowers ; common. Deomali, June 1961, *Deb* 25884 ; Lailongsong, 510 m, June 1961, *Deb* 25795 ; Chennhang, June 1961, *Deb* 2626 ; Raho-Wakka, July 1961, *Deb* 26401 & 26410.

**Trichosanthes bracteata** (Lamk.) Voigt

A tendril climber with white flowers ; common. Nampong-Pangsupass, Oct. 1959, *Rao* 20045 ; Lailongsong, 510 m, June 1961, *Deb* 25821 ; Kothong, June 1961, *Deb* 26051 ; Jangkeng Village, June 1961, *Deb* 25855 ; Langsang forest, June 1961, *Deb* 26153.

**T. cucumerina** Linn.

A tendril climber. Female flowers white. Berry brick red ; rare. Margharita-Jairampur, Oct. 1959, *Rao* 19911 ; Kothong, June 1961, *Deb* 26069.

**T. wallichiana** (Seringe) Wight

A tendril climber. Female flowers white ; scarce. Langsang forest, June 1961, *Deb* 26152 ; Raho, July 1961, *Deb* 26387 ; Pungchow, July 1961, *Deb* 26578.

#### BEGONIACEAE

**Begonia palmata** D. Don

A succulent herb with creamy-white flowers ; common. Grows gregariously in shaded regions of the forest. Chenglang-Khela, Oct. 1959, *Rao* 20259 ; Nampong-Pangsupass, Oct. 1959, *Rao* 20019 & 20034 ; Raho-Wakka, July 1961, *Deb* 26425 ; Chegum-Wakka, July, 1961, *Deb* 26474 ; Chennhang, June 1961, *Deb* 26253 ; Noglo, June 1961, *Deb* 26310 & 26311 ; Pungchow, July 1961, *Deb* 26566.

**B. cathcartii** Hook. f. & Th.

A small succulent herb with one-winged fruits ; common in shaded places. Nampong-Pangsupass, Oct. 1959, *Rao* 20063 ; Deomali, June 1961, *Deb* 25900.

**B. roxburghii** A. DC.

A succulent herb with white flowers ; common. This species is used as a vegetable by the local people. Chenglang-Khela, Oct. 1959, *Rao* 20065 ; Wakka, July 1961, *Deb* 26539 ; Khonsa-Laju, June 1961, *Deb*

25999 ; Chennhang, June 1961, *Deb* 26225 ; Khela-Chenglang, March 1958, *Murthy* 12984 ; Banfera-Kanubari, July 1961, *Deb* 26747 ; Noglo, June 1961, *Deb* 26325.

**B. silhetensis** C. B. Clarke

A herb of moist places ; scarce. Nampong-Pangsupass, 75 m, March 1958, *Murthy* 13002.

ELAEOCARPACEAE

**Elaeocarpus braceanus** Watt ex C. B. Clarke

A medium-sized tree with white flowers and fruits. One of the dominant trees of this locality. Pungchow, July 1961, *Deb* 26616.

**E. lanceaefolius** Roxb.

A medium-sized tree with white flowers and fruits. One of the dominant trees in the locality ; common. Chennhang, June 1961, *Deb* 26232.

**E. tectorius** (Lour.) Poir.

A large tree with white flowers ; rare. Jadua-Banfera, July 1961, *Deb* 26665.

TILIACEAE

**Grewia denticulata** Wall. ex Voigt

A scandent shrub or a small tree with brown flowers and fruits ; scarce. Namchik, 152 m, Oct. 1959, *Rao* 20191 ; Deomali, June 1961, *Deb* 25898.

**Triumfetta tomentosa** Noronha

An undershrub in yellow flowers ; scarce. Nampong-Pangsupass, Oct. 1959, *Rao* 20027 ; Chenglang-Khela, 450 m, Oct. 1959, *Rao* 20266 ; Noglo-Laju, June 1961, *Deb* 26374.

STERCULIACEAE

**Abroma augusta** (Linn. f.)

A shrub with dark brown flowers and fruits ; common. Jairampur, Oct. 1959, *Rao* 19967 ; Nampong-Pangsupass, Oct. 1959, *Rao* 20037 ; Lailongsong, 510 m, June 1961, *Deb* 25792.

**Byttneria aspera** Colebrooke

A diffused climber ; scarce. Deomali, June 1961, *Deb* 25880.

**Pterospermum acerifolium Willd.**

A big tree about 20-30 m. in height ; common. Namchik, 152 m, Oct. 1959, *Rao* 20196.

**Sterculia indica Merr.**

A small or a big tree with creamy yellow or red fruits ; fairly common. Langsang Forest, June 1961, *Deb* 26143 ; Jangkeng Village, June 1961, *Deb* 25861 ; Lailongsong (Chenglang), 510 m, June 1961, *Deb* 25803 ; Wakka, July 1961, *Deb* 26512 & 26515.

MALVACEAE

**Gossypium herbaceum Linn.**

A shrub. An escape from cultivation, rare. Niausa, July 1961, *Deb* 26554.

**Hibiscus pungens Roxb.**

A tall herb with conspicuous yellow flowers ; common. Namsang-Soha, Oct. 1959, *Rao* 20333 ; Namchik-Chenglang, Oct. 1959, *Rao* 20210 ; Margharita-Jairampur, Oct. 1959, *Rao* 19940.

**Kydia calycina Roxb.**

A small tree ; fairly common. Chenglang-Khela, Oct. 1959, *Rao* 20264.

**Urena lobata Linn.**

A herb in pinkish flowers ; common. Margharita-Jairampur, Oct. 1959, *Rao* 19945 ; Niausa, July 1961, *Deb* 26555.

MALPIGHIACEAE

**Aspidopterys glabriuscula (Wall.) A. Juss.**

A shrub with small white flowers ; scarce. Wakka, July 1961, *Deb* 26511.

EUPHORBIACEAE

**Actephila excelsa Muell.-Arg.**

Shrub or small tree ; rare. Chenglang, 570 m, Oct. 1959, *Rao* 20230 ; Longseck Hillock, 1500 m, June 1961, *Deb* 25742.

**Alcornea tiliaefolia Muell.-Arg.**

Shrub with unisexual flowers ; common. Grows gregariously in secondary succession. Deomali, June 1961, *Deb* 25893 ; Jadua-Banfera, July 1961, *Deb* 26671.

**Andrachne cordifolia** (Decne) Muell.-Arg.

A shrub about 1 m in height. Fruits globose ; scarce. Deomali, Oct. 1959, *Rao* 30309.

**Antidesma diandrum** (Roxb.) Roth

Shrub. Fruits reddish, one seed matures, the other is abortive ; scarce. Longseck Hillock (Chenglang), 1500 m, June 1961, *Deb* 25729.

**A. bunius** (Linn.) Spreng.

A shrub of about 2-3 m. height with orange-red flowers ; scarce. Pungchow, July 1961, *Deb* 26615.

**A. roxburghii** Wall.

Tree ; rare. Banfera-Longhoi, Sept. 1958, *Panigrahi* 16722 & 16734.

**Aporosa roxburghii** Baill.

Small tree in fruit ; scarce. Banfera-Kanubari, July 1961, *Deb* 26741 ; Banfera, July 1961, *Deb* 26706.

**Baccaurea sapida** (Roxb.) Muell.-Arg.

Small tree. Longseck Hillock, June 1961, *Deb* s.n. ; Khela, June 1961, *Deb* 25937.

**Baliospermum corymbiferum** Hook. f.

Shrub or small tree with small white flowers ; common ; Wakka, July 1961, *Deb* 26513 ; Pungchow, July 1961, *Deb* 26614 & 26621.

**B. calycinum** Muell.-Arg.

Shrub or small tree with very small white flowers ; common. Mainly in sheltered and shady places. Wakka, July 1961, *Deb* 26516 ; Khonsa-Laju, July 1961, *Deb* 25955.

**B. montanum** (Willd.) Muell.-Arg.

Small tree with white flowers ; fairly common. Noglo, June 1961, *Deb* 26327.

**Bischofia javanica** Bl.

A big tree, in fruit ; scarce. Lailongsong, 510 m, June 1961, *Deb* 25807 ; Khela, June 1961, *Deb* 25934.

**Breynia patens** Rolfe

A shrub in small, monoecious flowers ; fairly common. Wakka, July 1961, *Deb* 26417 ; Lailongsong (Chenglang), 510 m, June 1961, *Deb* 25810.

**Bridelia pubescens** Kurz

A small tree in flower ; common. Kothong, June 1961, *Deb* 26027 ; Pungchow, July 1961, *Deb* 26598.

**B. cuneata** Gehrm.

Shrub with small yellow flowers ; fairly common. Wakka-Nagminu, July 1961, *Deb* 26533.

**Croton caudatus** Geisel.

Scandent shrub ; common. Deomali, June 1961, *Deb* 25890.

**C. chlorocalyx** Wall. ex Muell.-Arg.

Monoecious shrub ; common. Pungchow, July 1961, *Deb* 26605.

**Drypetes elata** (Bedd.) Pax. & Hoffm.

Big tree. One of the dominant trees of this forest ; common. Noglo, June 1961, *Deb* 26308 ; Chennhang, June 1961, *Deb* 26241.

**Euphorbia microphylla** Heyne

Small prostrate herb ; not rare. Jairampur, Oct. 1959, *Rao* 19971.

**Glochidion acuminatum** Muell.-Arg.

Shrub, in flower ; scarce. Wakka-Nagminu, June 1961, *Deb* 26541.

**Kirganelia reticulata** (Poir.) Baill.

Shrub with unisexual, orange yellow flowers and orange-red fruits ; common. Noglo-Laju, June 1961, *Deb* 26373.

**Macaranga denticulata** (Bl.) Muell.-Arg.

Shrub or small tree with dirty brown flower buds ; common. Chenglang, 549 m, March 1948, Murthy 12910 ; Kothong, June 1961, *Deb* 26032 ; Lailongsong (Chenglang), 510 m, June 1961, *Deb* 25809.

**M. nepalensis** Muell.-Arg.

Small tree, rare. Chennhang, June 1961, *Deb* 26247.

**M. roxburghianus** Muell.-Arg.

Small tree. Common. Deomali, June 1961, *Deb* 25878.

**Manihot esculenta** Crantz.

The Tapioca shrub, cultivated extensively for its edible roots. Oct. 1959, *Rao* s.n.

**Ostodes paniculata** Bl.

Small tree ; scarce. Pungchow, July 1961, *Deb* 26626.

**Phyllanthus urinaria** Linn.

A herb in flower, mostly in marshy places ; common. Nampong-Pangsupass, Oct. 1959, *Rao* 20082 ; Lailongsong, 510 m, June 1961, *Deb* 25831 ; Wakka-Nagminu, July 1961, *Deb* 26544.

**Sauropus stipitatus** Hook. f.

Shrub with monoecious, yellow flowers ; rare. Wakka, July 1961, *Deb* 26520.

**S. trinervius** Muell.-Arg.

Shrub with monoecious, white flowers, rare. Pungchow, July 1961, *Deb* 26623 ; Banfera-Kanubari, July 1961, *Deb* 26733.

## THEACEAE

**Eurya acuminata** DC.

Shrub, in fruit ; common. Konsa-Kheti, Aug. 1958, *Panigrahi* 14571.

**Schima wallichii** Choisy

Medium-sized tree with white flowers ; common. Namsang-Soha, Oct. 1959, *Rao* 20332, Wakka, July 1961, *Deb* 26502, Khonsa-Laju, June 1961, *Deb* 25989 ; Khonsa, June 1961, *Deb* 25911.

## SAURAUACEAE

**Saurauja fasciculata** Wall.

A shrub about 5 m in height, fruits red brown when ripe ; rare. Wakka, Aug. 1958, *Panigrahi* 14916.

**S. napaulensis** DC.

Shrub or small tree with pinkish-white flowers and red fruits ; common. Tipang, June 1961, *Deb* 25717 ; Khonsa-Laju, June 1961, *Deb* 25949.

**S. macrotricha** Kurz

Shrub with pink flowers ; common. Noglo (Burma border), June 1961, *Deb* 26338 ; Khonsa-Laju, June 1961, *Deb* 26991 ; Wakka-Nagminu, July 1961, *Deb* 26528.

**S. panduana** Wall.

Tree with rose-coloured flowers ; common. Kothong, June 1961, *Deb* 26079,



**S. roxburghii** Wall.

Shrub or small tree with pinkish-white flowers and pinkish fruits ; common. Margharita to Jairampur, Oct. 1959, *Rao* 19961 ; Deomali, June 1961, *Deb* 25905 ; Banfera, July 1961, *Deb* 26730.

ACTINIDIACEAE

**Actinidia callosa** Lindl.

Climbing shrub with white flowers ; rare. Khonsa-Laju, June 1961, *Deb* 25953 ; Chennhang, June 1961, *Deb* 26275 ; Chegum-Wakka, July 1961, *Deb* 26461.

DIPTEROCARPACEAE

**Dipterocarpus macrocarpus** Vesque

A large tree about 40-70 m in height, most dominant in the locality, in fruits ; common. Deomali, Oct. 1959, *Rao* 20324.

ERICACEAE

**Rhododendron arboreum** Smith

Shrub or small tree, sometimes epiphytic ; scarce. Wakka, 2100 m, July 1961, *Deb* 26485.

**R. vaccinioides** Hook. f.

An epiphytic, pendent shrub, with red flowers ; common. Wakka, July 1961, *Deb* 26441.

VACCINIACEAE

**Agapetes obovata** Hook. f.

A small creeping herb ; common. Pangsupass, March 1958, *Murthy* 13014.

**Corallobotrys acuminata** Hook. f.

An epiphytic shrub with red flowers ; common. Raho-Wakka, July 1961, *Deb* 26423.

**Vaccinium manipurensis** (Wall. ex Brandis) Sleumer

An epiphyte ; flowers in terminal raceme ; common. Chennhang, June 1961, *Deb* 26271.

**V. retusum** Hook. f.

An epiphyte ; common. Chennhang, June 1961, *Deb* 26256.



**V. vacciniaceum** (Roxb.) Sleumer

An epiphyte with white flowers and globose fruits ; scarce. Chennahang, June 1961, *Deb* 26269 & 26270 ; Noglo (Burma Border), June 1961, *Deb* 26351.

## HYPERICACEAE

**Hypericum elodeoides** Choisy.

A diffused herb with yellow flowers, scarce. Noglo-Laju, June 1961, *Deb* 26370 ; Langsang forest, June 1961, *Deb* 26129.

**H. hookerianum** Wt. & Arn.

An undershrub with yellow flowers ; scarce. Wakka, July 1961, *Deb* 26509.

**H. japonicum** Thunb.

A herb with yellow flowers ; common. Noglo-Laju, June 1961, *Deb* 26372.

**H. monanthemum** Hook. f. & Th.

A herb with yellow flowers ; scarce. Langsang forest, June 1961, *Deb* 26130.

**H. patulum** Thunb.

An undershrub with solitary red flowers ; scarce. Noglo, June 1961, *Deb* 26316.

## GUTTIFERAE

**Garcinia pedunculata** Roxb.

A climber with creamy-yellow flowers ; rare. Banfera-Kanubari, July 1961, *Deb* 26735.

## MYRTACEAE

**Syzygium fruticosum** (Roxb.) DC.

Small tree ; scarce. Wakka, July 1961, *Deb* 26538.

**S. cumini** (Linn.) Skeels.

Medium-sized tree with black fruits ; scarce. Jadua-Banfera, July 1961, *Deb* 26672 ; Lailongsong, June 1961, *Deb* 25775.

RHIZOPHORACEAE

**Carallia lucida** Roxb.

A small tree with yellowish-white flowers. One of the dominant trees of this forest ; common. Pungchow, July 1961, *Deb* 26604 ; Chegum, July 1961, *Deb* 26467 ; Khela, June 1961, *Deb* 25936.

SONNERATIACEAE

**Duabanga grandiflora** (Roxb. ex DC.) Walp.

A large tree with spreading branches, in fruit ; very common. Lai-longsong, June 1961, *Deb* 25772.

COMBRETACEAE

**Combretum flagrocarpum** C. B. Clarke

A scandent shrub with winged fruits ; scarce. Chenglang, Oct. 1959, *Rao* 20226 ; Khonsa-Laju, June 1961, *Deb* 25967.

**Terminalia myriocarpa** Heurck. & Muell.-Arg.

A big tree with creamy white flowers ; common. Namchick, Oct. 1959, *Rao* 20209 ; Deomali, Oct. 1959, *Rao* 20310.

MELASTOMATACEAE

**Backeria assamica** (Cl.) Raizada in Ind. For. 94 (6) : 435, 1968.

*Anplectrum assamicum* C. B. Clarke

Shrub with red or pink flowers ; common. Tipang, June 1961, *Deb* 25701.

**Blastus cochinchinensis** Lour.

An undershrub with pinkish-white flowers and minute, brown fruits ; common. Namsang-Soha, Oct. 1959, *Rao* 20338, Deomali, June 1961, *Deb* 25887 ; Jadua-Banfera, July 1961, *Deb* 25880.

**Medinilla himalayana** Hook. f.

An epiphyte with purple flowers ; fairly common. Raho-Wakka, July 1961, *Deb* 26414.

**Melastoma normale** D. Don

Shrub with mauve-coloured or pinkish-violet flowers, scarce. Kothong, June 1961, *Deb* 26105 ; Chenglang-Khela, March 1958, *Murthy* 12937.

**Osbeckia crinita** Benth.

Shrub with small, purple or rosy-red flower. Margharita-Jairampur, Oct. 1959, *Rao* 19926 ; Deomali, June 1961, *Deb* 25886.

**O. rostrata** D. Don

Shrub ; common. Jadua-Banfera, July 1961, *Deb* 26682.

**Oxyspora paniculata** (D. Don) DC.

Shrub up to 3 m in height with deep red flowers ; scarce. Khonsa-Laju, June 1961, *Deb* 25969.

**Sarcopyramis nepalensis** Wall.

A small herb of moist situation, with reddish-brown flowers. Scarce. Nampong-Pangsupass, March 1958, *Murthy* 13000 ; Nampong-Pangsupass, Oct. 1959, *Rao* 20148 & s.n. ; Raho-Wakka, July 1961, *Deb* 26404 ; Banfera-Kanubari, July 1961, *Deb* 26739.

**Sonerila khasiana** C. B. Clarke

Small herb with pinkish flower ; common in shade. Nampong-Pangsupass, Oct. 1959, *Rao* 20035.

## ICACINACEAE

**Gomphandra axillaris** Wall. ex Bedd.

Shrub or small tree with small white flowers ; common. Lunwa, July 1961, *Deb* 26639 ; Longseck Hillock, 1500 m, June 1961, *Deb* 25739.

## CELASTRACEAE

**Celastrus championii** Benth.

Shrub ; in fruit ; fairly common. Chegum-Wakka, July 1961, *Deb* 26473 ; Pungchow, July 1961, *Deb* 26574.

**C. monospermus** Roxb.

Small tree ; in fruit, seeds red. Chennhang, June 1961, *Deb* 26242.

## ERYTHROPALACEAE

**Erythralum vagum** Mast.

Shrub with pinkish fruits ; scarce. Namsang-Soha, Oct. 1959, *Rao* 20336.

LORANTHACEAE

**Helixanthera ligustrina** (Wall.) Danser

A bushy parasitic shrub with small red flowers ; scarce. Chenglang, March 1958, *Murthy* 12908 ; Khela, June 1961, *Deb* 25929, 25931, & 25932 ; Langsang forest, June 1961, *Deb* 26125.

**Helixanthera parasitica** Lour.

*Loranthus pentapetalus* Roxb.

A parasitic shrub with bright red flowers ; rare. July 1961, *Deb* 26381.

**H. terrestris** (Hook. f.) Danser

A parasite on *Saurauja* sp., with pink flowers ; scarce. Lailongsong ; June 1961, *Deb* 25802.

**Macrosolen cochinchinensis** (Lour). V. Tiegh.

Parasite on *Mallotus* and other trees ; common. Margharita, Oct. 1959, *Rao* 19942.

**Scurrula parasitica** Linn.

Parasite on *Saurauja* sp. with reddish flowers ; common. Chegum, July 1961, *Deb* 26460, Soha, Oct. 1959, *Rao* 20360 ; Pungchow, July 1961, *Deb* 26584.

**Viscum articulatum** Burm. f.

A parasite on *Acer* sp. with flattened internodes ; scarce. Noglo, June 1961, *Deb* 26325 ; Chennhang, June 1961, *Deb* 26278.

**V. monoicum** Roxb. ex DC.

Parasitic or semiparasitic on *Alnus* sp. ; scarce. Pungchow, July 1961, *Deb* 26569 ; Banfera-Kanubari, July 1961, *Deb* 26748.

BALANOPHORACEAE

**Balanophora dioica** R. Br. ex Royle

A dark red root parasite on humus soil with dark brown flowers ; common. Chenglang, Oct. 1959, *Rao* 20224.

RHAMNACEAE

**Gouania leptostachya** DC.

A woody climber about 5 m in height with pale greenish violet flowers ; fairly common. Jairampur, Oct. 1959, *Rao* 19982 ; Khonsa-Laju, June 1961, *Deb* 25948, Langsang forest, June 1961, *Deb* 26132.

**Hovenia dulcis** Thunb.

A small tree with white flowers; fairly common. Sometimes cultivated. Pungchow, July 1961, *Deb* 26594.

**Rhamnus nepalensis** Wall.

A scandent shrub in bud; scarce. Namchik, Oct. 1959, *Rao* 20173,

**Zizyphus funiculosa** Buch.-Ham.

A scandent shrub with orange-coloured fruits; scarce. Lailongsong, 510 m, June 1961, *Deb* 25779.

## VITACEAE

**Ampelocissus barbata** (Wall.) Planch.

A gigantic climber, in fruit. Banfera-Longhoi, Sept. 1958, *Panigrahi* 16724; Jadua-Banfera, July 1961, *Deb* 26668.

**Cayratea japonica** Gagnep.

A tendril climber, in young fruit; scarce. Longseck hillock, 1500 m, June 1961, *Deb* 25747; Wakka, July 1961, *Deb* 26506; Kothong, June 1961, *Deb* 26054.

**C. pedata** A. Juss.

A climber in fruit; common. Lailongsong, 510 m, June 1961, *Deb* 25806.

**Cissus assamica** (Laws.) Graib.

A tendril climber with yellow flowers; fairly common. Deomali, Oct. 1959, *Rao* 20308; Decmali (West of Khonsa), June 1961, *Deb* 25891.

**C. repanda** (Wt. & Arn.) Vahl

A rare climber. Banfera-Kanubari, July 1961, *Deb* 26732.

**Tetrastigma bracteolatum** (Wall.) Planch.

A climber with deep blue fruits; common. Wakka, March 1958, *Murthy* 13004.

**T. serrulatum** (Roxb.) Planch.

A tendril climber in fruit; scarce. Kothong, June 1961, *Deb* 26055.

**T. rumicisperma** (Laws.)

A tendril climber with small flowers and dull pinkish fruits; scarce. Namchang-Soha, Oct. 1959, *Rao* 20337; Nampong-Pangsupass, Oct. 1959, *Rao* 20028; March, 1958, *Murthy* 13006.

LEEACEAE

**Leea acuminata** Wall.

Shrub. Flowers pentamerous, petals yellowish ; scarce. Lailongsong, 510 m, June 1961, *Deb* 25781.

**L. bracteata** Clarke

Shrub ; scarce. Lailongsong, 510 m, June 1961, *Deb* 25783.

**L. indica** (Burm. f.) Merrill

A climbing shrub ; fairly common. Chennhang, June 1961, *Deb* 26281 ; Lailongsong, 510 m, June 1961, *Deb* 25785.

**L. robusta** Roxb.

Shrub about 3 m. in height with brown to bluish-ripe fruits ; common. Raho, July 1961, *Deb* 26380.

**L. umbraculifera** Clarke

A tall shrub in fruit ; common. Namchik, Oct. 1959, *Rao* 20184 ; Deomali, Oct. 1959, *Rao* 20313 ; Banfera-Kanubari, July 1961, *Deb* 26736.

MYRSINACEAE

**Ardisia griffithii** C. B. Clarke

A small tree with small flowers ; scarce. Longseck hillock, 1500 m, June 1961, *Deb* 25740 ; Pungchow, July 1961, *Deb* 26610.

**A. membranacea** Wall. ex A. DC.

A shrub with white flowers ; scarce. Wakka, July 1961, *Deb* 26519.

**A. undulata** C. B. Clarke

A shrub with rose-coloured small flowers ; rare. Chennhang, June 1961, *Deb* 26280.

**A. virens** Kurz

A shrub with pinkish flowers and brown fruits ; scarce. Langsang forest, June 1961, *Deb* 26149 ; Longseck hillock, 1500 m, June 1961, *Deb* 25734.

**Embelia parviflora** Wall. ex A. DC.

A shrub with deep violet flowers and pendent branches ; common. Raho-Wakka, July 1961, *Deb* 26431.

**E. ribes** Burm. f.

A shrub with very small flowers, scarce. Chenglang, March 1958, *Murthy* 12932.



**E. vestita** Roxb.

Shrub. This occurs as an undergrowth in the forest ; scarce. Kothong, June 1961, *Deb* 26062.

**Maesa chisia** Buch.-Ham. ex D. Don

A shrub with white flowers. Occurs as an undergrowth in the open forest ; scarce. Nampong-Pangsupass, March 1958, *Murthy* 12993 ; Langsang forest, June 1961, *Deb* 26134, Tipang, June 1961, *Deb* 25718.

**M. indica** Wall.

A shrub with creamy-white flowers ; common Chenglang, March 1958, *Murthy* 12903 ; Khonsa-Laju, June 1961, *Deb* 25945.

**M. indica** Wall. var. **angustifolia** Hook. f. & Thoms.

A shrub with small, creamy-white flowers ; scarce. Mostly in moist soil. Lailongsong, June 1961, *Deb* 25784 ; Khela, March 1958, *Murthy* 12964.

**Myrsine semiserrata** Wall.

A small tree in fruits ; common. Chenglang, June 1961, *Deb* 26251 ; Noglo, June 1961, *Deb* 26326.

## EBENACEAE

**Diospyros amoena** Wall. ex A. DC.

A small tree with greenish-white flowers. Fruit is used as fish poison ; scarce. Jadua, July 1961, *Deb* 26661.

## RUTACEAE

**Citrus medica** Linn. var. **acida** Hook. f.

A common shrub. Cultivated. Soha village, Oct. 1959, *Rao* 20384.

**C. demoruhocarpa** Lush.

A cultivated form. Soha village, Oct. 1959, *Rao* 20385.

**Evodia meliaefolia** Benth.

A tall shrub, in fruit. Khonsa, June 1961, *Deb* 25944.

**Micromelum integerrimum** (Roxb.) Wt. & Arn. ex M. Roem.

Shrub with dull green flowers ; scarce. Jairampur, Oct. 1959, *Rao* 19990.



**Zanthoxylum acanthopodium DC.**

Tall shrub with globose, red fruits ; common. Raho to Wakka, July 1961, *Deb* 26398 ; Khonsa-Laju, June 1961, *Deb* 25959 ; Pungchow, July 1961, *Deb* 26600.

**Z. armatum DC.**

*Z. alatum* Roxb.

Shrub with greenish-brown fruits, strongly aromatic ; cultivated for leaves and fruits used in curries ; commonly cultivated in homestead compounds. Soha village, Oct. 1959, *Rao* 20383.

**Z. ovalifolium Wight**

Shrub about 5 m in height with deep red fruits ; scarce. Wakka, Aug. 1958, *Panigrahi* 14919.

SIMAROUBACEAE

**Picrasma javanica Bl.**

A tall shrub in fruit ; scattered. Lailongsong, 510 m., June 1961, *Deb* 25798.

MELIACEAE

**Aglaia chittagonga (Hiern) Miq.**

A small tree in flower ; flower fragrance similar to that of *Artocarpus heterophyllus* Lamk. ; scarce. Langsang forest, June 1961, *Deb* 26126 ; Raho-Wakka, July 1961, *Deb* 26413.

**Dysoxylum binectariferum Hook. f.**

A small tree in flower ; rare. Pungchow, July 1961, *Deb* 26611.

SAPINDACEAE

**Allophylus zeylanicus Linn.**

A tall shrub with small white flowers ; scarce. Pungchow, July 1961, *Deb* 26575, Deomali, June 1961, *Deb* 25894.

**A. zeylanicus Linn. var. grandifolia Hiern.**

Shrub with small white flower ; rare. Kanubari, July 1961, *Deb* 26759.

**Alphania rubra (Roxb.) Radlk.**

Tall shrub. Khela, March 1958, *Murthy* 12963.

**Lepisanthes burmanica** Kurz

A small tree with orange-yellow flowers ; scarce. Deomali, June 1961, *Deb* 25895 ; Jadua, July 1961, *Deb* 26656.

## PODOACEAE

**Dobinea vulgaris** Buch.-Ham.

Shrub, in fruit. Fruits winged, one-seeded ; rare. Langsang forest, June 1961, *Deb* 26158.

## SABIACEAE

**Meliosma pinnata** Roxb.

A small bushy tree with small, pale purple-white flowers ; common. Tipang, June 1961, *Deb* 25710 ; Lailongsong (Chenglang), June 1961, *Deb* 25782.

**M. simplicifolia** (Roxb.) Walpers

Tree ; scarce. Wakka-Nginu, July 1961, *Deb* 26543.

(to be continued)